

FIG. 2A

5 Ptc promoter truncations 707

Fold Inductions

Luciferase/ Renilla	ptc	ptc Δ -272 to -602	ptc A -136 to -602	ptc Δ -83 to -602	ptc Δ -272 ptc Δ -136 ptc Δ -83 ptc Δ -53 ptc Δ -33 to -602 to -602 to -602	ptc Δ-33 to -602
HH-N + 21.26	21.26	28.52	26.69	11.93	0.32	0.41
- N-HH	3.29	4.35	0.39	0.27	0.05	0.04
HH-N +/ HH-N -	6.46	6.56	68.43	44.18	99.9	10

FIG. 2B

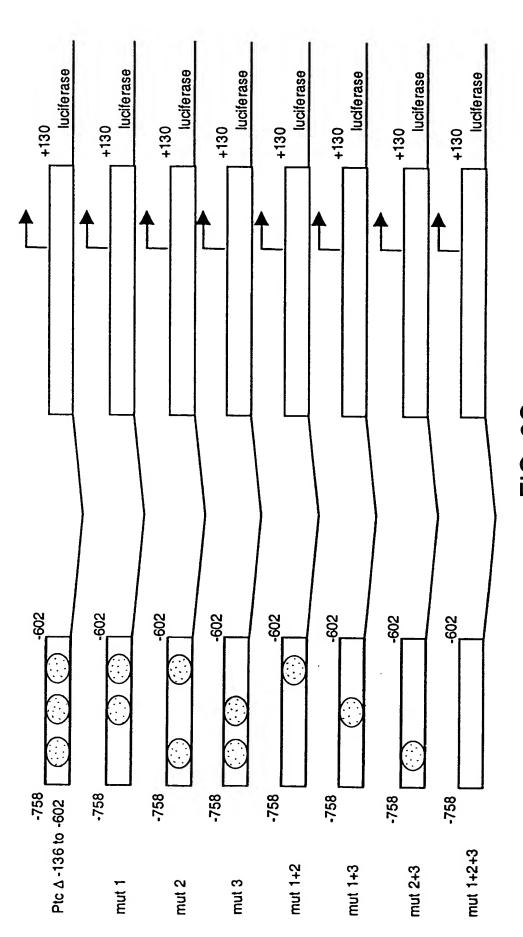


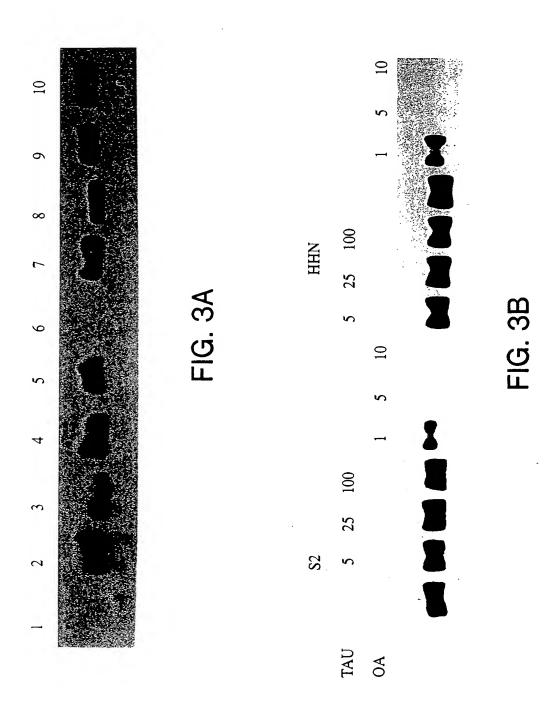
FIG. 20

4.24 Ci binding sites mutagenesis 5.1 16.21 13.98 27.02 25.86 56.25 10+

Fold Inductions

Luciferase/ Renilla	ptc	mut I	mut 2	mut 3	mut I+2	mut 1+2 mut 1+3 mut 2+3 mut 1+2+3	mut 2+3	mut I+2+3
+ N-HH	10.80	3.75	4.54	7.69	3.08	2.81	2.63	0.25
HH-N -	0.19	0.14	0.17	0.55	0.19	0.55	0.62	0.20
HH-N +/ HH-N -	56.25	25.86	27.02	13.98	16.21	5.1	4.24	1.27

FIG. 2D



APPLICANT(S): Beachy et al.
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SIGNALING PATHWAY
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Docket No.: JHU1510-2

nuclear fraction

cytoplasmic fraction

S2

N

S2

N

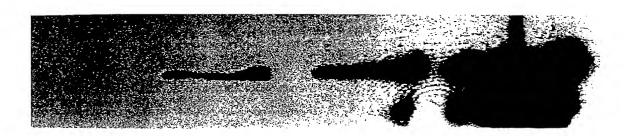
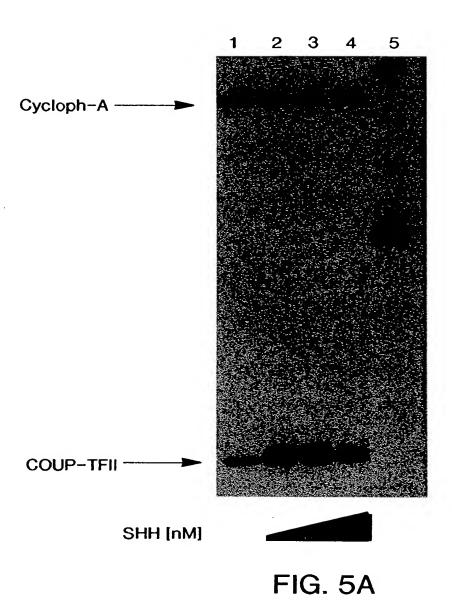


FIG. 4



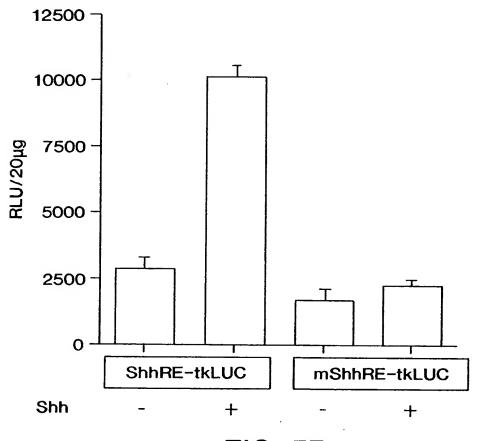
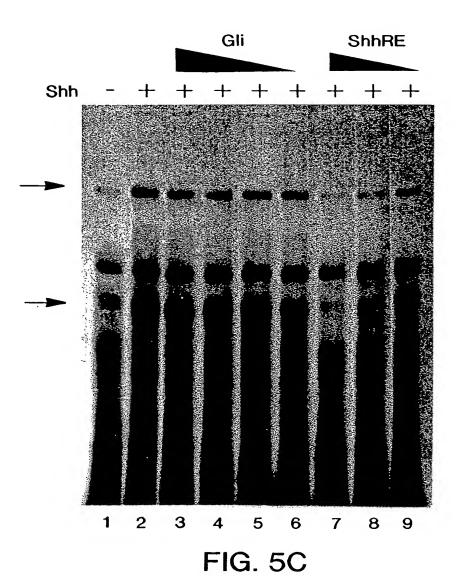
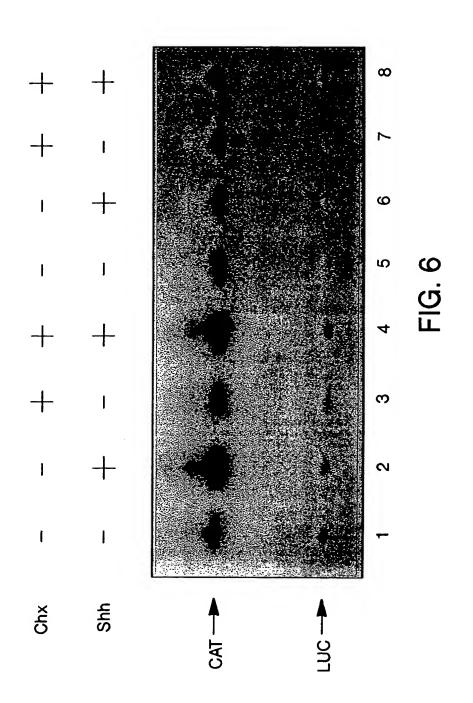
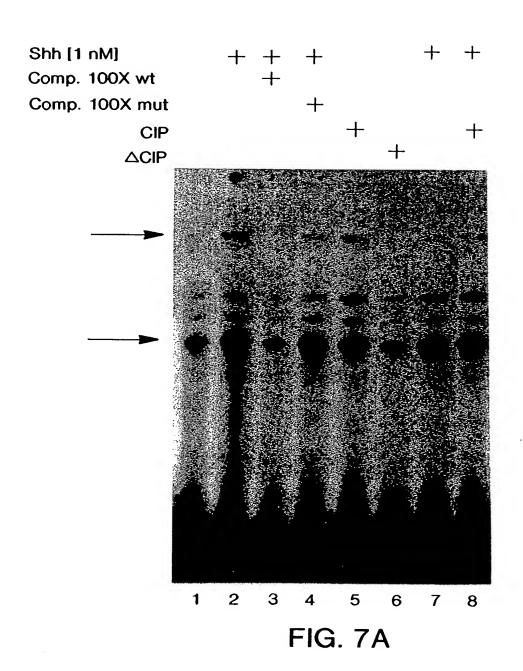


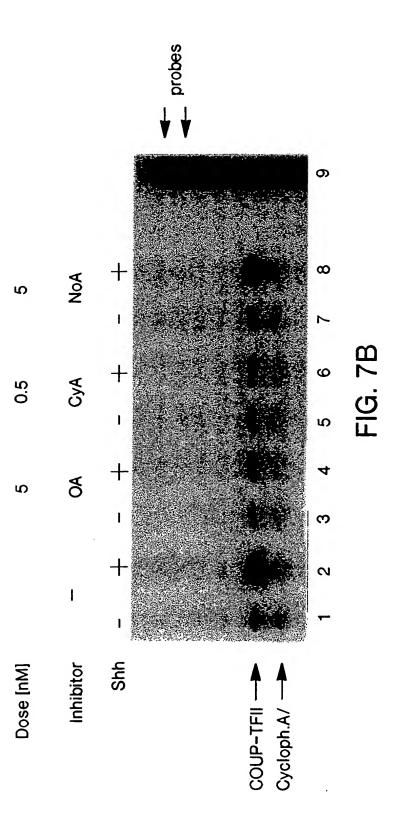
FIG. 5B

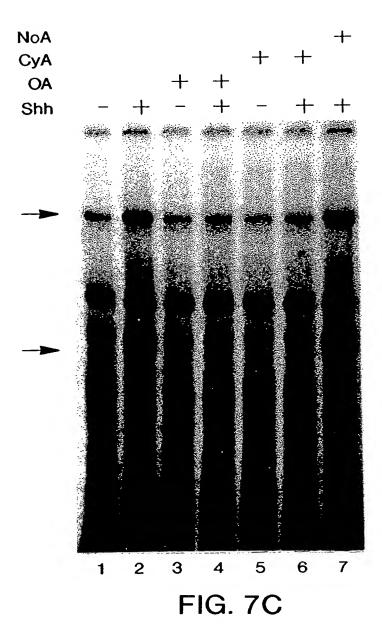




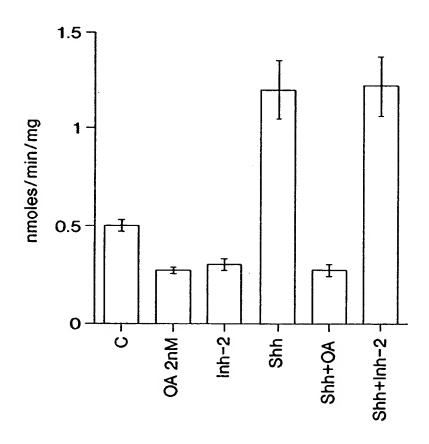








PHOSPHATASE ACTIVITY IN Shh-INDUCED P19 CELLS



Inh-2=specific inhibitor of PP1

FIG. 7D

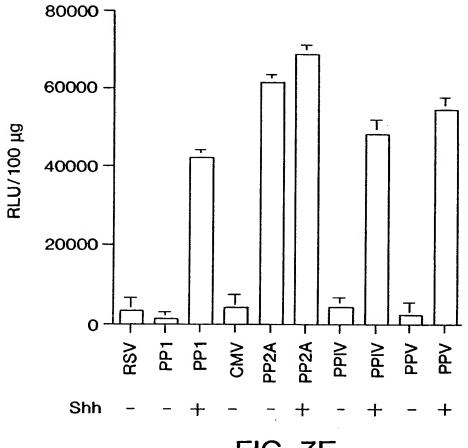
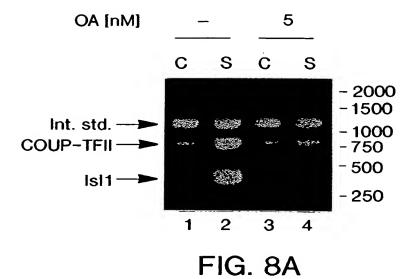


FIG. 7E



Inhibition of Islet1 Expression by OA in Neural Tube Explants Treated Untreated Ξ 151

FIG. 8B

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GliRE-MEDIATED ACTIVATION BY Shh IS INHIBITED BY OA

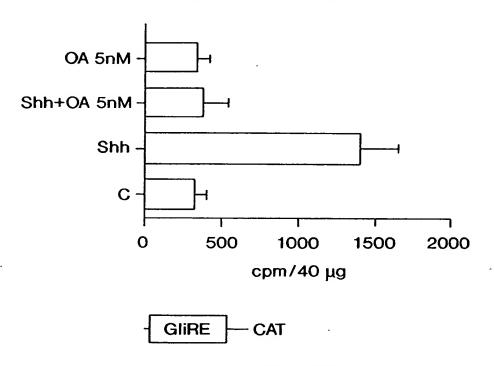


FIG. 8C